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U.S. Patent and Trademark Office; U.S. Department of Commerce persons are required to respond to a collection of information unless it displays a valid OMB control number 10/568,730 **Application Number INFORMATION DISCLOSURE** Filing Date Feb. 17, 2006 STATEMENT BY APPLICANT First Named Inventor Wolfgang Clemens Not assigned 4125 Group Art Unit wordskid M. Sinclair (Use as many sheets as necessary) **Examiner Name** Sheet Of 13 Attorney Docket Number 411000-147

			U.S. PATENT DOCU	JMENTS	
Examiner Initial*	Cite No.1	Document Number Number-Kid Code ^{2 (if known)}	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
D.S./		US-2002/0022284	02-21-2002	Heeger	
		US-2002/0053320	05-09-2002	Duthaler	•
000		US-2002/0056839	05-16-2002	Joo et al.	
900		US-2002/0068392	06-06-2002	Lee et al.	
		US-2002/0170897	11-21-2002	Hall	
000000		US-2002/0018911	02-00-2002	Bernius et al.	
		US-2002/0195644	12-26-2002	Dodabalapur et al.	
		US-2002/025391	02-28-2002	Angelopoulos	
999		US-2002/130042	09-19-2002	Stiene	
000000000000000000000000000000000000000		US-2003/0112576	06-19-2003	Brewer et al.	
		US-2003/059987	03-27-2003	Sirringhaus Henning et al.	
		US-2004/0002176	0101-2004	Xu	
00000		US-2004/0013982	01-00-2004	Jacobson et al.	
0000	•	US-2004/0026689	02-00-2004	Bernds et al.	
000		US-2004/0084670	05-06-2004	Tripsas et al.	
900	`	US-2004/0211329	10-00-2004	Funahata et al.	
999		US-3,512,052	12-12-1970	MacIver et al.	
999		US-3,769,096	10-30-1973	Ashkin	
000		US-3,955,098	05-04-1976	Kawamoto	
00000		US-3,999,122	12-21-1976	Winstel et al.	
000000000000000000000000000000000000000		US-4,246,298	01-20-1981	Guarnery	
20000000		US-4,302,648	11-24-1981	Sado et al.	
2000000		US-4,340,057	07-20-1982	Bloch	
		US-4,442,019	04-19-1984	Marks	
		US-4,554,229	11-19-1985	Small	
V		US-4,865,197	09-12-1989	Craig	
D.S./		US-4,926,052	05-15-1990	Hatayama	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Com	plete if Known		
Application Number	10/568,730		
Filing Date	Feb. 17, 2006		
First Named Inventor	Wolfgang Clemens		
Group Art Unit	-Not-cooligned 4125		
Examiner Name	Net Dayid M. Sinclai		
Attorney Docket Number	411000-147		

Sheet	2	13	Attorney Docket Number	411000-147
/D.S./	US-4,937,119	06-26-1990	Nickles et al.	
000000	US-5,075,816	12-24-1991	Stormborn	
	US-5,705,826	01-06-1998	Aratani et al.	
	US-5,173,835	12-22-1992	Cornett et al.	
	US-5,206,525	04—27-1993	Yamamoto et al.	
	US-5,259,926	11-09-1993	Kuwabara et al.	
	US-5,321,240	06-14-1994	Takihira	
	US-5,347,144	09-13-1994	Gamier et al.	
	US-5,364,735	11-15-1994	Akamatsu	
	US-5,395,504	03-07-1995	Hoffman et al.	
	US-5,480,839	01-02-1996	Ezawa et al.	
	US-5,486,851	01-23-1996	Gehner et al.	
	US-5,502,396	03-26-1996	Desarzens	
	US-5,546,889	08-20-1999	Wakita et al.	
-	US-5,569,879	10-29-1996	Gloton	
0000	US-5,574,291	11-12-1996	Dodabalapur et al.	
000	US-5,578,513	11-00-1996	Maegawa	
	US-5,580,794	12-03-1996	Allen	
000000	US-5,625,199	04-29-1997	Baumbach et al.	
0000000	US-5,630,986	05-20-1997	Charlton	
00000000	US-5,580,794	12-03-1996	Allen	
00000000	US-5,629,530	05-13-1997	Brown et al.	
	US-5,580,794	12-03-1996	Allen	
	US-5,652,645	07-29-1997	Jain	
	US-5,691,089	11-25-1997	Smayling	
00000000	US-5,693,956	12-02-1997	Shi	
00000000	US-5,705,826	01-06-1998	Aratani	
XX	US-5,729,428	03-17-1998	Sakata et al.	
	US-5,854,139	12-29-1998	Kondo et al.	
0000000	US-5,869,972	02-09-1999	Birch et al.	
*	US-5,883,397	03-16-1999	Isoda et al.	
W	US-5,892,244	04-06-1999	Tanaka et al.	
D.S./	US-5,946,551	08-31-1999	Dimitrakopoulos	

3

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Com	plete if Known
Application Number	10/568,730
Filing Date	Feb. 17, 2006
First Named Inventor	Wolfgang Clemens
Group Art Unit	Not assigned 4125
Examiner Name	New Dayid M. Sinclai
Attorney Docket Number	411000-147

/D.S./	US-5,967,048	10-19-1999	Fromson et al.
0000000	US-5,970,318	10-19-1999	Choi et al.
000000	US-5,973,598	10-26-1999	Beigel
0000000	US-5,997,817	12-07-1999	Crismore et al.
0000000	US-6,036,919	03-14-2000	Thym et al.
	US-5,998,805	12-07-1999	Shi et al.
000	US-6,045,977	04-04-2000	Chandross et al.
000000	US-6,060,338	05-09-2000	Tanaka et al.
0000000	US-6,072,716	06-06-2000	Jacobsen et al.
0000000	US-6,083,104	07-04-2000	Choi Kei Fung
	US-6,087,196	07-11-2000	Sturm et al.
800	US-6,133,835	10-17-2000	DeLeeuw et al.
000000	US-6,150,668	11-21-2000	Bao
0000000	US-6,180,956	01-30-2001	Chondroudis
0000000	US-6,197,663	03-06-2001	Chandross
00000	US-6,207,472	03-27-2001	Calligari et al.
00000	US-6,215,130	04-00-2001	Dodabalapur
	US-6,221,553	04-24-2001	Wolk
000	US-6,251,513	06-26-2001	Rector
0000000	US-6,284,562	09-00-2001	Batlogg et al.
. 000	US-6,300,141	10-09-2001	Segal et al.
0000000	US-6,321,571	11-27-2001	Themont et al.
000	US-6,322,736	11-00-2001	Вао
0000000	US-6,329,226	12-11-2001	Jones
000000	US-6,330,464	12-11-2001	Colvin
	US-6,335,539	10-19-1999	Dimitrakopoulos et al.
000000000000000000000000000000000000000	US-6,340,822	01-22-2002	Brown et al.
000000000000000000000000000000000000000	US-6,344,662	02-05-2002	Dimitrakopoulos et al.
	US-6,362,509	03-26-2002	Hart
000000000000000000000000000000000000000	US-6,384,804	05-07-2002	Dodabalapur et al.
	US-6,403,396	06-11-2002	Gudesen et al.
V	US-6,429,450	08-06-2002	Mutsaers et al.
/D.S./	US-6,498,114		

Substitute for form 1449A/PTO					Complete if Known				
					Apr	olication Number	10/	/568,730	
		ORMATION DISCLOSUR			Filir	ng Date	Fe	b. 17, 2006	
	STA	TEMENT BY APPLICAN	1 T		Firs	st Named Inventor		olfgang Clemens	
					Gro	oup Art Unit		tassigned 412	
	`	se as many sheets as necessary,				aminer Name	140	nt Basiginelu M.	Sincla
Sheet	4		13		Atto	orney Docket Number	411	1000-147	
D.S./		US-6,517,955	02	-00-2005		Jacobsen et al.			
×20000000		US-6,518,949	02-	-11-2003		Drazic			
		US-6,521,109	02-	-18-2003		Bartic et al.			
00000		US-6,548,875	04	-15-2003		Nishiyama		,	
2000000		US-6,555,840	04	-29-2003		Hudson	\exists		
0000000		US-6,593,690	07-	-15-2003		McCormick	\exists		
500000000		US-6,603,139	08-	-05-2003		Tessler			
		US-6,621,098	09-	-16-2003		Jackson			
		US-6,852,583	02-	-08-2005		Bernds et al.			
V		US-6,903,958	06-	-07-2005		Bernds et al.			
D.S./		US-6,960,489	11.	-01-2005		Bernds et al.			
Examiner nitial*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Cod (if known)		Publication- Date		Name of Patentee or Applicant of Cited Document	Pas	es, Columns, Lines, Where Relevant ssages or Relevant Figures Appear	T ⁶
BARRANA SE		DE 100 06 257 (title page only)		09-14-2000		IBM			* SANGARANGAN
No. of the last of		DE 100 12 204 (title page only)		09-20-2001		Siemens			ARTICLE STREET
	TO SHARING MANAGEMENT OF THE SHARING S	DE 100 33 112 (title page only)		01-24-2002		Siemens	i	- AND STREET,	
	***	QE 100 43 204 (title page only)		04-04-2002		Siemens		AND DESCRIPTION OF THE PARTY OF	
		DE 100 45 192		04-04-2002		Siemens AG	STATE OF THE PARTY	<i></i>	1
		DE 100 47 171		04-18-2002		Siemens AG	'		
		DE 100 58 559		05-29-2002		Interactive Protech.	i		
		DE 100 61 297 (title page only)	ADARDAR.	06-27-2002		Siemens	i		
		DE 101 17 663	NA COLUMN TO A COL	10-17-2002	*SARSTANDERS	Samsung SDI Co.			
		DE 101 20 686		11-07-2002		Siemens AG	i		
		DE 101 20 687		19-31-2002	BARRANAN .	Siemens AG	i		
		DE 102 19 905	ACCORDERATE AND ADDRESS OF THE PARTY OF THE	12-04-2003		Ocram Opto Semicond.			
		DE 198 16 860		11-18-1999		Deutsche Telekom			
		DE 198 51 703		05-04-2000		Institute fur Halbleiterphysik	I		
		DE 198-52 312 (title page only)	_	05-20-1999		Nintendo Co.	R. Barresser		
		DE 199 18 193 (title page only)		11-25-1999		Cambridge Display		No. of the last of	
	THE SHEET REAL PROPERTY.	DE 199 21 024 (title page only)		11-16-2000		Eichelmann		The state of the s	
	NETWENDEN .	DE 100 21 024 (title page only)	_					***************************************	

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DE 199 35 527

Substitute for form 1449A/PTO	Coi	mplete if Known
	Application Number	10/568,730
INFORMATION DISCLOSURE	Filing Date	Feb. 17, 2006
STATEMENT BY APPLICANT	First Named Inventor	Wolfgang Clemens
	Group Art Unit	Notassigned 4125
(Use as many sheets as necessary)	Examiner Name	Not Dawid M. Sinclai

Attorney Docket Number

411000-147

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Sheet

1052003003200320032003200320032003	DE 199 37 262	03-01-2001	Siemens		10250050050059055
	DE 33 38 597	05-02-1985	GAO Gesellschaft	See attached letter	
	DE 424 38 32	OG STORY SECTION OF THE PROPERTY OF THE PROPER	Daimler-Benz		
	DE 692 32 740	04-29-1993	Motorola, Inc.	20030032003	
10005965565065068005905905965965	DE 695 19 782 (title page only)	01-03-2001	News Datacom Ltd.		XX-003500350035003500
D.S./	EP 0 108 650	05-16-1984	Zytrex Corporation		х
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u></u>	000000000000000000000000000000000000000	000000000000000000000000000000000000000
D.S./	EP 0 268 370 A2	05-25-1988	Canon Kabushiki Kaisha		Х
800	EP 0 268 370 A3	05-25-1988	Canon Kabushiki Kaisha		х
	EP 0 350 179	01-10-1990	W & T Avery Ltd.		Х
	EP 0 418 504	03-27-1991	Matsushita		X
	EP 0 442 123	08-21-1991	Neste OY		Х
	EP 0 460 242	12-11-1991	Nippon Petrochemicals		Х
	EP 0 501 456 A2	09-02-1992	Sony		Х
	EP 0 501 456 A3	09-02-1992	Sony		Х
	EP 0 511 807	11-04-1992	GEC Avery Ltd.		Х
000000000000000000000000000000000000000	EP 0 528 662	02-24-1993	Kabushiki Kaisha Toshiba		Х
	EP 0 603 939 A2	06-29-1994	Philips Electronics N.V.	N	Х
	EP 0 615 256	09-23-1998	Koninklijke Philips		
	EP 0 685 985	12-06-1995	Hitachi Metals		Х
	EP 0 690 457	12-22-1999	Al-Coat Lts.		х
	EP 0 716 458	06-12-1996	AT&T Corp.		Х
	EP 0 785 578 A2	07-23-1997	AT & T Corp.		Х
	EP 0 785 578 A3	07-23-1997	AT & T Corp.		Х
	EP 0 786 820	07-30-1997	Motorola		Х
V	EP 0 962 984	12-08-1999	Lucent Technologies	•	Х
D.S./	EP 0 966 182	12-22-1999	LG Electronics		Х
000000000000000000000000000000000000000		02.16.2000	Adalf.lllig	000000000000000000000000000000000000000	
D.S./			Maschinenbau		
D.S./	EP 0 981 165	02-23-2000	Lucent Technologies		X
U.U./	EP 0 989 614 A2	03-29-2000	Sel Semiconductor		X
	EP 1 048 012	14 02 2000	Micle & Gie	***************************************	
	<u> </u>	11-13-2000	9okymat 9:A:		***************************************
D.S./	EP 1 065 725 A2	01-03-2001	Sel Semiconductor		Х
D.S./	EP 1 065 725 A3	01-03-2001	Sel Semiconductor		Х
D.S./	EP 1 083 775	03-14-200`	Seiko Epson		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Complete if Known

Application Number 10/568,730

Filing Date Feb. 17, 2006

First Named Inventor Wolfgang Clemens

Group Art Unit Not assigned 4125

Examiner Name Number 411000-147

	EP 1 102 335 A2	05-23-2001	Lucent Technologies	X
000000000000000000000000000000000000000	occorrections and the second s	05-30-2004		
/D.S./	EP 1 104 035 A2	05-30-2001	Lucent Technologies	X
xxxxxxxxxxxxxxxxxxxxxx	occooccooccoocco	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	······· //////////////////////////////	000000000000000000000000000000000000000
/D.S./	EP 1 318 084	06-11-2003	Nippon Sanso Corp.	
/D.S./	EP 1 224 999 (title page only)	07-24-2002	Sumitomo Heavy Ind.	X
/D.S./	EP 1 237 207	09-04-2002	Fuji Photo Film Co.	X
000000000000000000000000000000000000000		11-03-2000	Liger Rene	
/D.S./	GB 2 058 462	04-08-1981	Shin-Etsu Polymer Co.	X
/D.S./	GB 723,598	02-09-1955	N V Phillips Gloeilampenfabrieken	×
	GR2004P80200 (not available)			
200000000000000000000000000000000000000	OREGO 4PEOCE 4 (mot graineble)		000000	
/D.S./	JP 01169942 (abstract)	07-05-1989	Hitachi Ltd.	X
	JP 03290976 A	12-20-1991	Kamiyana Kenichi	X
000000	JP 05259434	10-05-1993	Nisha Printing	X
00000	JP 05347422 (abstract)	12-27-1993	Fujitsu Ltd.	X
000	JP 08197788 (abstract)	08-06-1995	Hitachi Koki	X
	JP 09083040 (abstract)	03-28-1997	Sharp Corp.	X
	JP 09320760	12-12-1997	Matsushita Electric Ind.	
V	JP 10026934	01-27-1998	Toshiba Chem Corp.	X
/D.S./	JP 2001085272 (abstract)	03-30-2001	Matsushita Electric Ind.	Х
100000000000000000000000000000000000000		1		000000000000000000000000000000000000000
/D.S./	JP 362065477A	03-24-1987	Toshiba	X
90	JP 54069392	06-04-1979	Sakamoto Mitsuru	
000	JP 54069392 (abstract)	06-04-1979	NEC Corp.	X
	JP 60117769 (abstract)	06-25-1985	Fujitsu Ltd.	
0000000	JP 61001060	01-07-1986	Hitachi Koki	X
000	JP 61167854	07-29-1986	Murata Mfg. Co. Ltd.	X
	JP 62065472 A	03-24-1987	Toshiba Corp.	X
	WO 00/33063	06-08-2000	Moorlodge Biotech	X
800000	WO 00/36666	06-22-2000	E Ink Corp.	X
0000	WO 00/79617	12-28-2000	Cambridge University	X
800	WO 01/03126	01-11-2001	Regents of U. of CA	X
	WO 01/06442	01-25-2001	Yip	x
V	WO 01/08241	02-01-2001	E Ink Corporation	X
7D.\$./	WO 01/15233	03-01-2001	Koninklijke Philips	X

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known 10/568,730 **Application Number** Feb. 17, 2006 Filing Date First Named Inventor Wolfgang Clemens Not-ecoigned 4125 Group Art Unit ir

	(Use as many sheets as ne	cessary)	Examiner Name	Notaligida M.	Sinclai
Sheet	7	13	Attorney Docket Number	411000-147	
75 G 7					· · · · · · · · · · · · · · · · · · ·
/D.S./	WO 01/17029	03-08-2001	E Ink Corp.		Х
	WO 01/17041	03-08-2001	E Ink Corp.		X
	WO 01/27998	04-19-2001	Koninklijke Philips		X
	WO 01/46987	06-28-2001	Plastic Logic Ltd.		
	WO 01/47044 A2	06-28-2001	Plastic Logic Limited		X
	WO 01/47044 A3	06-28-2001	Plastic Logic Limited		Х
	WO 01/47045	06-28-2001	Plastic Logic		Х
	WO 01/73109 A2	10-24-2001	Iverness Medical		X
	WO 01/73109 A3	10-24-2001	Iverness Medical		Х
	WO 02/05360	01-27-2002	Siemens		
	WO 02/065557 A1 abst	ract 08-22-2002	Siemens		Х
***************************************	WO 02/071139	09-12-2002	Acreo AB		X
	WO 02/071505	09-12-2002	Acreo AB		x
	WO 02/076924	10-03-2002	Nisshinbo Industries		
	WO 02/091495	11-14-2002	Coatue Corp.		
V	WO 02/095805 A2	11-28-2002	Plastic Logic Limited		X
/D.S./	WO 02/095805 A3	11-28-2002	Plastic Logic Limited		X
100000000000000000000000000000000000000		······································	Siemensak	000000000000000000000000000000000000000	000000000000000000000000000000000000000
/D _. S./	WO 02/099908	12-12-2002	Siemens AK		
80	WO 02/15264	02-21-2002	Siemens AK		
000	WO 02/19443	03-07-2002	Siemens		
80	WO 02/19443 (abstract)	03-07-2002	Siemens		X
000000	WO 02/29912	04-11-2002	Cambridge University		Х
000	WO 02/43071	05-30-2002	Thin Film Electronics		Х
000	WO 02/47183	06-13-2002	Siemens		
000000	WO 02/47183 (abstract)	06-13-2002	Siemens		X
000000	WO 02/99907	12-12-2002	Siemens		
000000	WO 02/99907	12-12-2002	Siemens		X
000	WO 02//091495	11-14-2002	Coatue Corp.		X
000	WO 02/05361	01-17-2002	3M Innovative Prop.		X
00000	WO 02/065557 A1	08-22-2002	Siemens		
0000000	WO 03/046922	06-05-2003	Infineon Technologies		
300000000000000000000000000000000000000	WO 03/067680	08-14-2003	Canon Kabushiki Kaisha		×
* 000	WO 03/069552	08-21-2003			x
V	WO 03/081671	10-02-2003	Siemens AK		
/D.S./	WO 03/095175	11-20-2003	ZBD Displays Ltd.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number 10/568,730

Filling Date Feb. 17, 2006

First Named Inventor Wolfgang Clemens

Group Art Unit Nor assigned 4125

Examiner Name Not assigned M. Sinclair

	<u>``</u>			Examiner Name	Not assigned	
Sheet	8	13		Attorney Docket Number	411000-147	
	 		1		1	
S 27		WO 04/042837 A2 (title page only)+	05-21-2004	Siemens		
D.S./		WO 04/042837 A3 (title page only)+	05-21-2004	Siemens		
000000		WO 04/047144 A2 (abstract)	06-03-2004	Siemens		×
		WO 04/047144 A3	06-03-2004	Siemens		
000000		WO 04/047144 A3 (abstract)	06-03-2004	Siemens		Х
		WO 04/7194 A2	06-03-2004	Siemens		
		WO 04/7194 A2 (abstract)	06-03-2004	Siemens		×
		WO 04/7194 A3	06-03-2004	Siemens		
		WO 2004/032257	04-15-2004	Leonhard Kurz GmbH		
-		WO 2004/042837	05-21-2004	Siemens AK		
		WO 2004/083859	09-30-2004	Platform Diagnostics		
		WO 93/16491	08-19-1993	Kopin Corp.		X
-		WO 94/17556	08-04-1994	FCI-Fiberchem		X
-		WO 95/06240	03-02-1995	Metrika Laboratories		X
		WO 95/31831 (title page only)	11-23-1995	Philips Electronics		X
-		WO 96/02924	02-01-1996	Oryx Techn Corp.		X
-		WO 96/19792	006-27-1996	Trustees of Princeton		X
	 		- 			 ^
		WO 97/12349 WO 97/18944	04-03-1997 05-29-1997	DeRivaz Gov't of USA		X
		WO 98/18156	04-30-1998	Steag Microtech		
	-	WO 98/18156 (abstract)	04-30-1998	Steag Microtech		X
		WO 98/18186 (title page only)	04-30-1998	Erico Lightning	-	X
-		WO 98/40930	09-17-1998	Precision Dynamics		X
		WO 99/07189	02-11-1999	Cambridge		X
		WO 99/10929 (title page only)	03-04-1999	Koninklijke Philips		X
		WO 99/10939	03-04-1999			^
- 8	-			Koninklijke Philips		
		WO 99/21233	04-29-1999	Regents of U California		X
		WO 99/30432	06-17-1999	Koninklijke Philips		
0000000		WO 99/39373	08-05-1999	Trustees of Princeton University		X
		WO 99/40631	08-12-1999	Opticom USA		×
000		WO 99/53371	10-21-1999	E-Ink Corporation		Х
		WO 99/54936	10-28-1999	Cambridge Display		Х
V		WO 99/54936 Corrected Version	10-28-1999	Cambridge Display		
D.Š./		WO 99/66540	12-23-1999	Opticom ASA		×
WW.900000000000000000000000000000000000	000000000000000000000000000000000000000	592000000000000000000000000000000000000	***************************************	00000000000000000000000000000000000000	427000005X579200005X539200005X539200005X539000005X	200000000000000000000000000000000000000
		45/19/00/00/00/00/00/00/00/00/00/00/00/00/00	300 000 000 000 000 000 000 000 000 000	00000000000000000000000000000000000000	2)500003555900000000000000000000000000000	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/568,730			
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Group Art Unit	Tvorassigned 4125			
Examiner Name	Norbangied M. Sinclai			
Attorney Docket Number	411000-147			

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initial	Cite No.	NOW ALEX EVERYING DOGGLETTS	
/D.S./		ANGELOPOULOS M et al., "In-Situ Radiation Induced Doping", Mol. Crystl. Liq. Cryst., 1990, vol. 189, pp 221-225.	. С
		ASSADI A, et al:, "Field-Effect Mobility of Poly (3-Hexylthiophene) Dept. of Physics and Measurement Technology, Received 3 March 1988; accepted for Publication 17 May 1988	x
		BAO, Z. et al., "High-Performance Plastic Transistors Fabricatecd by Printing Techniques", Chem. Mater Vol. 9, No. 6, 1997, pp 1299-1301.	
200000000000000000000000000000000000000		BAO, Z. et al. "Organic and Polymeric Materials for the Fabrications of Thin Film Field-Effect Transistors", paper presented at the meeting of American Chemical Society, Division of Polymer Chemistry, XX, XX, Vol. 39, No. 1, March 29, 1998.	
900000000000000000000000000000000000000		BRABEC, C.J. et al, "Photoinduced FT-IR spectroscopy and CW-photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix", Solar Energy Materials and Solar Cells, 2000 Elsevier Science V.V., pages 19-33.	×
		BRABEC, C.J. et al., "Photovoltaic properties of a conjugated polymer/methanofullerene composites embedded in a polystyrene matrix", Journal of Applied Physics, Vol 85, No. 9, 1999, pages 6866 – 6872.	x
		BRAUN D., et al, "Visible light emission from semiconducting polymer diodes", American Institute of Physics, Applied Physics Letters 58, May 6, 1991, pages 1982 – 1984.	x
		BROWN, A.R. et al., "Field-effect transistors made from solution-processed organic semiconductors", Elsevier Science, S.A., Synthetic Metals 88 (1997) pp. 37-55	x
		BROWN, A.R., "Logic Gates Made from Polymer Transistors and Their Use in Ring Oscillators", Science, Vol. 270, November 10, 1995, pp 972 - 974	x
V		CHEN, Shiao-Shien et al:, "Deep Submicrometer Double-Gate Fully-Depleted SOI PMOS Devices: A Concise Short-Channel Effect Threshold Voltage Model Using a Quasi-2D Approadh", IEEE Transaction on Electron Devices, Vol. 43, No. 9, September 1996	×
/D.S./		CHEN, X.L. et al., "Morphological and Transistor Studies of Organic Molecular Semiconductors with Anisotropic Electrical Characteristics", American Chemical Society, 2001, Chem. Mater. 2001, 13, 1341—1348.	x
000000000000000000000000000000000000000	200000000000000000000000000000000000000	——CLEMENS, W. et al., "Yem Organiesken Transister Zum Plastik Chip;" Physik Journal, W. 2, 2003, pp. 31-36	00000000
/D.S./		COLLET J. et al:, 'LOW VOLTAGE, 30 NM CHANNEL LENGTH, ORGANIC TRANSISTORS WITH A SELF-ASSEMBLED MONOLAYER AS GATE INSULATING FILMS:, APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, Bd 76, Nr. 14, 3. april 2000 (2000-04-03), Seiten 1941-1943, XP000950589, ISSN:0003-6951, das ganze Dokument	x
700000000000000000000000000000000000000		CRONE, B. ET AL, "Large-scale complementary Integrated circuits based on Organic transistors", Nature, Vol. 403, Feb. 3, 2000, PP. 521 -	х
V		DAI, L. et al, "Photochemical Generation of Conducting Pattersn in Polybutadiene Films:, Macromolecules, Vol. 29, No. 1, 1996, pages 282-287, XP 001042019, the whole document	x
/D.S./		DAI, L. et al., "Conjugation of Polydienes by Oxidants Other Than Iodine", Elsevier Science S.A., Synthetic Metals 86 (1997) 1893-1894.	

Substitute for form	1449A/PTC

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/568,730		
Filing Date	Feb. 17, 2006		
First Named Inventor	Wolfgang Clemens		
Group Art Unit	Not assigned 4125		
Examiner Name	Notlawid M. Sinclai:		
Attorney Docket Number	411000-147		

D.S./	DAI, L. et al., "l ₂ -Doping" of 1,4-Polydienes*, Elsevier Science S.A., Synthetic Metals 69 (1995), pp 563-566.	X
100000000000000000000000000000000000000	DE LEEUW D.M. et al., "Polymeric integrated circuits and light-emitting diodes", Electron Devices Meeting, 1997. Technical Digest, International, Washington, DC, USA 7-10 Dec. 1997, New York, NY, USA, IEEE, US 7 December 1997.	
000000000	DODABALAPUR, A. et al., Organic smart pixels", American Institute of Physics, Applied Physics Letters, Vol. 73, No. 2, July 13, 1998, pp. 142 – 144.	x
00000	DRURY et al., "Low-Cost All-Polymer Integrated Circuits", American Institute of Physics, Applied Physics Letters, 1998, Vol. 73, No. 1, pp 108—110, July 6, 1998.	
000000000000000000000000000000000000000	FICKER, J. et al., "Dynamic and Lifetime Measurements of Polymer OFETS and Integrated Plastic Circuits, "Proc. of SPIE, v. 466, 2001, pp. 95-102	x
8000000000	FIX, W. et al., "Fast Polymer Integrated Circuits Based on a Polyfluorene Derivative", ESSDERC 2002, 2002, pp. 527-529.	х
V	FIX, W., et al., "Fast polymer integrated circuits", American Institute of Physics, Applied Physics Letters, Vol. 81, No. 89, August 2002, pp. 1735-1737.	х
/D.S./	FORREST et al.: "The Dawn of Organic Electronics", IEEE Spectrum, August 2000 (2000-08), Seiten 29-34, XP002189000, IEEE Inc., New York, US ISSN:0018-9235, Seite 33, rechte Spalte, Zelle 58-Seite 34, linke Spalte, Zeile 24; Abbildung 5.	
000000000000000000000000000000000000000	PRAUNHOPER WAGAZIN-Polyuonic Chips von der Rolle, 4.2001; Pages 8-13	000000
/D.S./	GARBASSI F., et al., "Bulk Modifications", Polymer Surfaces, John Wiley & Sons, 1998, pp 289-300.	x
000000000000000000000000000000000000000	GARNIER F et al:, "Vertical Devices Architecture By Molding Of Organic-Based Thin Film Transistor", Applied Physics Letters, American Institute Of Physics. XP000784120, issn: 0003-6951 abbildung 2	x
000000000000000000000000000000000000000	GARNIER, F. et al, "All-Polymer Field-Effect Transistor Realized by Printing Techniques", Science, American Association for the Advancement of Science, US, vol 265, 16 September 1994, pp 1684-1686.	x
000000000000000000000000000000000000000	GARNIER et al., "Conjugated Polymers and Oligomers as Active Material For Electronic Devices", Synthetic Metals, Vol. 28, 1989	x
200000000000	GELINCK, G.H. et al., "High-Performance All-Polymer Integrated Circuits", Applied Physics Letters, v. 77, 2000, pp. 1487-1489.	х
	GOSAIN, D.P., "Excimer laser crystallized poly-Si TFT's on plastic substrates", Second International Symposium on Laser Precision Microfabrication, May 16-18, 2001, Singapore, Vol. 4426, pages 394 – 400.	х
000000000000000000000000000000000000000	HALLS, J.J. M., et al., "Efficient photodiodes from interpenetrating polymer networks", Nature, Vol. 376, August 10, 1995, pp. 498 – 500.	x
V	HARSANYI G. ET AL, "Polytronics for biogtronics:unique possibilities of polymers in biosensors and BioMEMS", IEEE Polytronic 2002 Conference, June 23, 2002, pages 211-215	
/D.S./	HEBNER, T.R. et al., "Ink-jet printing of doped polymers for organic light emitting devices:, American Institute of Physics, Applied Physics Letters, Vol. 72, no. 5, February 2, 1998, pages 519-521.	x
000000000000000000000000000000000000000	HERGEL H. J.: "Pld-Programmiertechnologien", Elektronik, Eranzis Verlag GMBH, Munchen, DE, Bd.41, Mr. 5, 3. Marz 1992 (1992-03-03), Seiten 44-46, XP000293121, ISSN: 0013-5658, Abbildungen 1-3.	0000000
/D.S./	HWANG J D et al., "A Vertical Submicron Slc thin film transistor", Solid State Electronics, Elsevier Science Publishers, Barking, GB, Bd. 38, NR. 2,1. February 1995 (1995-02-01), Seiten 275-278, XP004014040,	х

Substitute for form 1449A/PTO			Complete if Known		
		Application Number	10/568,730		
	INFORMATION DI	SCLOSURE	Filing Date	Feb. 17, 2006	
	STATEMENT BY APPLICANT		First Named Inventor	Wolfgang Clemens	
			Group Art Unit	Not assigned 4125	
(Use as many sheets as necessary)		Examiner Name	wordswid M. Sinclai		
Sheet	11	13	Attorney Docket Number	411000-147	

	ISSN:0038-1101, Abbildung 2	<u> </u>
/D.S./	IBM Technical Disclosure Bulletin, "Short-Channel Field-Effect Transistor", IBM Corp., New York, US, Bd. 32, Nr. 3A, 1.August 1989 (1989-08-01), Seiten 77-78, XP000049357, ISSN:0018-8689, das ganze Dokument	X
000000000000000000000000000000000000000	KAWASE, T., et al., "Inkjet Printed Via-Hole Interconnections and Resistors for All-Polymer Transistor Circuits", Advanced Materials 2001, 13, No. 21, November 2, 2001, PP. 1601 – 1605.	
000000000000000000000000000000000000000	KLAUK, H. et al., "Fast Organic Thin Film Transistor Circuits", IEEE Electron Device Letters, Vol. 20, no. 6, pages 289-291	×
0000	KLAUK, H. et al., "Pentacene Thin Film Transistors and Inverter Circuits", 1997 International Exectron Devices Meeting Technical Digest, pages 539-542, December 1997	×
000000000000000000000000000000000000000	KNOBLOCH, A. et al., "Printed Polymer Transistors", Proc. Polytronic, v. 84, 2001, pp. 84-89	×
V	KOBEL W. et al., "Generation of Micropatterns in Poly (3-Methyl-Thiophene) Films Using Microlithography: A First Step in the Design of an All-Organic Thin-Film Transistor" Synthetic Metals, V. 22, 1988, pp. 265-271.	×
/D.S./	KOEZUKA, H. et al., "Macromolecular Electronic Device", Mol. Cryst. Liq. Cryst. 1994, Vol. 2555, pp. 221-230.	
	(WWWAND et al., "Terebytee in Plantiklelia", Organische Macconepoieher ver der Gerienproduktion	
/D.S./	KUMAR, Anish et al:, "Kink-Free Polycrystalline Silicon Double-Gate Elevated-Channel Thin-Film Transistors", IEEE Transactions on Electron Devices, Vol. 45, No. 12, December 1998	×
000000000	LIDZEY, D. G. et al., "Photoprocessed and Micropatterned Conjugated Polymer LEDs", Synthetic Metals, V. 82, 1996, pp. 141-148	×
000000000000000000000000000000000000000	LOWE, J. et al., "Poly (3—(2—Acetoxyethyl)Thiophene): A Model Polymer for Acid-Catalyzed Lithography", Synthetic Metals, Elsevier Sequoia, Lausanne, CH, Bd. 85, 1997, Seiten 1427-1430.	×
XXX	LU, Wen et al., "Use of Ionic Liquids for π-Conjugated Polymer Electrochemical Devices", Science, Vol 297, 2002, pages 983 – 987/	×
000000000000000000000000000000000000000	LUCENT TECHNOLOGIES, "Innovation marks significant milestone in the development of electronic paper", Cambridge, MA and Murray Hill, NJ, November 20, 2000. XP-002209726.	×
000000000000000000000000000000000000000	MANUELLI, Alessandro et al., "Applicability of Coating Techniques for the Production of Organic Field Effect Transistors", IEEE Polytronic 2002 Conference, 2002, pp. 201-204.	٠x
000000000000000000000000000000000000000	MIYAMOTO, Shoichi et al:, "Effect of LDD Structure and Channel Poly-Si Thinning on a Gate-All-Around TFT (GAT) for SRAM's, IEEE Transactions on Electron Devices. Vol. 46, No. 8, August 1999	×
000000000000000000000000000000000000000	NALWA, H.S., "Organic Conductive Milecules and Polymers", Vol, 2, 1997, pp 534 – 535.	×
000000000000000000000000000000000000000	OELKRUG, D. et al., "Electronic spectra of self-organized oligothiophene films with 'standing' and 'lying' molecular units", Elsevier Science S.A., 1996, Thin Solid Films 284-270	×
000000000000000000000000000000000000000	QIAO, X. et al., "The FeCl3-doped poly3-alkithiophenes) in solid state", Elsevier Science, Synthetic Metals 122 (2001) pp 449 – 454.	X
V	REDECKER, M. et al., "Mobility enhancement through homogeneous nematic alignment of a liquid-crystalline polyfluorene", 1999 American Institute of Physics, Applied Physics Letters, Vol. 74, number 10, pp. 1400-1402.	×
/D.S./	ROGERS J A et al:, "Low-Voltage 0.1 Mum Organic Transistors and Complementary Inverter Circuits Fabricated with a Low-Cost Form of Near-Field Photolithography", Applied Physics Letters, American Institute of Physics. New York, US, Bd. 75, Nr. 7, 16. August 1999 (1999-08-16), Seiten 1010-1012, XP000934355, ISSN:	x

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known			
Application Number	10/568,730		
Filing Date	Feb. 17, 2006		
First Named Inventor	Wolfgang Clemens		
Group Art Unit	Not assigned 4125		
Examiner Name	worksijied M. Sinclai		
Attorney Docket Number	411000-147		

	003-6951, das ganze Dokument		
/D.S./	ROGERS, J. A. et al:, "Printing Process Suitable for Reel-to-Reel Production of High-Performance Organic Transistors and Circuits", Advanced Materials, VCH, Verlagsgesellschaft, Weinheim, DE, Bd. 11, Nr. 9, 5. Juli 1999 (1999-07-05), Seiten 741-745, P000851834, ISSN: 0935-9648, das ganze Dokument		
200000000000000000000000000000000000000	ROMAN et al., "Polymer Diodes With High Rectification", Appli 22, 1999	ed Physics Letters, Vol. 75, No. 21, November X	
0000000	ROST, Henning et al., "All-Polymer Organic Field Effect Transis	tors", Proc. Mat. Week, CD, 2001, pp. 1-6 X	
990000000	SANDBERG, H. et al, "Ultra-thin Organic Films for Field Effect"	ransistors", SPIE Vol. 4466, 2001, pp. 35 – 43. X	
0,0000	SCHOEBEL, "Frequency Conversion with Organic-On-Inorganio of the International Conference on Solid State Devices and Mat		
000000000000000000000000000000000000000	SCHRODNER M. ET AL., "Plastic electronics based on Semico Conference on Polymers and Adhesives in Microelectronics and Adhesives in Electronics. Proceedings (Cat. No. 01TH8592), F and Adhesives in Micr, Seitenn 91 – 94.	Photonics. Incorporating Poly, Pep &	
000000000000000000000000000000000000000	SHAHEEN, S.E., et al., "Low band-gap polymeric photovoltaic of 1583-1584.	evices", Synthetic Metals, Vol 121, 2001, pages X	
***************************************	SPEAKMAN, S.P. ET AL., "High performance organic semicon [rr-P3HT], Organic Electronics 2 (2), 2001, pp. 65 – 73.	lucting thin films: Ink Jet printed polythophene X	
***************************************	TAKASHIMA, W. et al., Electroplasticity Memory Devices Using Electrolytes", Polymer International, Melbourne, 1992, pages 24	, ,	
200000000000000000000000000000000000000	ULLMAN, A. et al., "High Performance Organic Field-Effect Tra Soc. Symp. Proc., v. 665, 2001, pp. 265-270.	sistors and Integrated Inverters", Mat. Res. X	
000000000000000000000000000000000000000	VELU, G. et al. "Low Driving Voltages and Memory Effect in Org Gate Insulator", Applied Physics Letters, American Institute of F 659 – 661.		
	WANG, Hsing et al., "Conducting Polymer Blends: Polythiopher Poly(bisphenol A carbonate)", Macromolecules, 1990, Vol 23, p		
V	WANG, Yading et al., "Electrically Conductive Semiinterpenetrating Polymer Networks of Poly(3-octylthiophene)", Macromolecules 1992, Vol 25, pages 3284 – 3290.		
/D.S./	YU, G. et al., "Dual-function semiconducting polymer devices: American Institute of Physics, Applied Physics Letter 64, March		
	ZANGABA I., "Motoll Statt Halbleiter, Bregrammierung Ven En Elektronik, Franzis Verlag GmbH, Munchen, DE, Vol. 47, No. 10		
/D.S./	ZHENG, Xiang-Yang et al., "Electrochemical Patterning of the Surface of Insulators with Electrically Conductive Polymers", J. Electrochem. Soc., v. 142, 1995, pp L226-L227.		
/D.S./	ZIE VOOR TITEL BOEK, de 2e PAGINA,XP-002189001, pg 196-228.		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ANTS:

Wolfgang Clemens et al.

SERML NO:

10/568,730

FILED:

February 17, 2006

EXAMINER

Not assigned

ART UNIT

Not assigned

FOR:

ORGANIC CAPACITOR WITH VOLTAGE-CONTROLED

CAPACITANCE

ATTY DKT NO .:

411000-147

CUSTOMER NO.: 27162

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

DISCLOSURE STATEMENT UNDER 37 CFR 1.56

SIR:

This paper is to bring to the attention of the PTO the following commonly owned copending U.S. applications, all of which are related in different respects to organic electronic devices and/or method of making such devices such as transistors, diodes, integrated circuits and the like. Many of these applications also have one or more common inventors. The attached PTØ 1449 lists these applications. It is respectfully requested that the Examiner consider and make of record all of the cited applications listed on the attached PTO 1449

Application No	<u>Title</u>	Inventors Atty. Dkt. No.
10/344,951	Organic Field-Effect Transistor (OFET), A Production Method Therefor, An Integrated Circuit Constructed From the Same and Their Uses	Adolf Bernds et al. 411000-99
10/362,932	Organic Field Effect Transistor, Method for Structuring an OFET and Integrated Circuit	Adolf Bernds et al 411000-110

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10/380,113	Organic Rectifier, Circuit, RFID Tag and Use of an Organic Rectifier	Adolf Bernds et al.	411000-106
10/381,032	Electrode and/or Conductor Track for Organic Components and Production Method Thereof	Adolf Bernds et al.	411000-105
10/433,359	Organic Field Effect Transistor, Method For Structuring an OFET and Integrated Circuit	Adolf Bernds	411000-108
10/433,961	Device For Detecting and/or Transmitting at Least One Environmental Influence, Method for Producing Said Device and Use Thereof	Wolfgang Clemens et al.	411000-111
10/467,636	Organic Field Effect Transistor With a Photostructured Gate Dielectric, Method for the Production and Use Thereof in Organic Electronics	Adolf Bernds et al.	411000-104
10/473,050	Device With At Least Two Organic Electronic Components and Method for Producing the Same	Adolf Bernds et al.	411000-113
10/479,234	Organic Field Effect Transistor, Method for Production and Use Thereof in the Assembly of Integrated Circuits	Adolf Bernds et al.	411000-101
10/479,238	Method For Producing Conductive Structures by Means of Printing Technique, and Active Components Produced Therefrom For Integrated Circuits	Adolf Bernds et al.	411000-100
10/492,922	Insulator for An Organic Electronic Component	Erwann Guillet et al.	411000-115
10/492,923	Electronic Unit, Circuit Design for the Same and Production Method	Wolfgang Clemens et al.	411000-114
10/498,610	Organic Field Effect Transistor with Offset Threshold Voltage and the Use Thereof	Walter Fix et al.	411000-119
10/508,640	Logic Component Comprising Organic Field Effect Transistors	Walter Fix et al.	411000-120
10/508,737	Device and Method for Laser Structuring Functional Polymers and	Adolf Bernds et al.	411000-121
10/517,750	Substrate for an Organic Field Effect Transistor, Use of the Substrate, Method of Increasing the Charge Carrier Mobility and Organic Field Effect Transistor (OFET)	Wolfgang Cleimens et al.	411000-122
10/523,216	Electronic Component Comprising Predominantly Organic Functional Materials And A Process For The Production Thereof	Adolf Bernds et al.	411000-123
10/523,487	Electronic Device	Wolfgang Clemens et al.	411000-124
10/524,646	Organic Component for Overvoltage Protection and Associated Circuit	Walter Fix et al.	411000-127

10/533,756	Organic Electronic Component with High- Resolution Structuring and Process for the Production Thereof	Wolfgang Clemens et al.	411000-128
10/534,678	Measuring Apparatus for Determining an Analyte in a Liquid Sample	Wolfgang Clemens et al.	411000-129
10/535,448	Organic Electronic Component Comprising Semi-Conductive Functional Layer and Method for Producing Said Component	Wolfgang Clemens et al.	4/1000-131
10/535,449	Organic Electronic Component Comprising the Same Organic Material for at Least Two Functional Layers	Adolf Bernds et al.	411000-132
10/344,926	An Electronic Circuit Having an Encapsulated Organic-Electronic Component, and a Method for Making an Encapsulated Organic-Electronic Component	Wolfgang Clemens et al.	411000-133
10/541,815	Organo-Resistive Memory Unit	Ayel Gerit et al.	411000-136
10/541,956	Board or Substrate for an Organic Electronic Device and Use Thereof	Wolfgang Clemens et al.	411000-137
10/541,957	Organic Field Effect Transistor And Integrated Circuit	Walter Fix et al.	411000-138
10/543,561	Organic Storage Component and Corresponding Triggering Circuit	Wolfgang Clemens et al.	411000-139
10/542,678	Organic Electronic Component and Method For Producing Organic Electronic Devices	Adolf Bernds et al.	411000-140
10/542,679	Use of Conductive Caroon Black/Graphite Mixtures for the Production of Low Cost Electronics	Adolf Bernds et al.	411000-141
10/562,989	Method and Device for Patterning Organic Layers	Jurgen Ficker	411000-143
10/562,869	Logic Gate With a Potential-Free Gage Electrode for Organic Integrated Circuits	Wolftam Glauert	411000-144
10/569,763	Organic Electronic Component With High Resolution Structuring And Method For The Production Thereof	Walter Fix	411000-146
10/568,730	Organic Capacitor With Voltage- Controlled Capacitance	Wolfgang Clemens	411000-147
10/569,233	Polymer mixtures for printed polymer electronic circuits	Adolf Bernds	411000-148
10/570,571	Mechanical Control Elements For Organic Polymer Electronic Devices	Wolfgang Clemens	41 1000-149